

WE CLAIM:

- Sub B4*
1. A stable suspension comprising,
a nutrient selected from the group consisting of (a) an isoflavone, (b) lycopene,
(c) lutein, (d) Coenzyme Q_n, where n is integer of 1 to 12; and (e) a mixture of any of the
foregoing nutrients;
a nutrient stabilizer; and
an aqueous solvent system.
 2. The suspension as defined in claim 1 where in said stabilizer is selected
for the group consisting of (a) a lecithin, (b') a hydrocolloid, (c') a surfactant, (d') a Dowicil and
(e') a mixture of any of the foregoing stabilizers.
 - Sub B5*
 3. The suspension as defined in claim 2 wherein said lecithin is selected from
the group consisting of a lecithin derived from soybean or egg.
 4. The suspension as defined in claim 2 wherein said hydrocolloid is selected
from the group consisting of xanthan gum, a pectin, gelatin, guar gum, carrageenan,
methylcelluloses, hydroxypropyl celluloses, gum arabic and a mixture of the foregoing
hydrocolloids.
 5. The suspension as defined in claim 2 wherein said surfactant is selected
from the group consisting of cetylpyridinium chloride, polysorbate 80, sorbitan monostearate, a
polyglycerol ester, a block copolymer of propylene oxide, ethylene oxide and a mixture of any of
the foregoing surfactants.
 6. The suspension as defined in claim 3 wherein said stabilizer comprises
said Dowicil.

- ✓ 7. A method of making a stabilized aqueous suspension of a nutrient which comprises:
- (a) combining the nutrient with an aqueous medium to form an aqueous mixture;
 - (b) combining a nutrient stabilizer with the nutrient; and
 - (c) microfluidizing said aqueous mixture before or after step (b), above, to form the stabilized aqueous suspension.
8. The method as defined in claim 7 wherein the nutrient is selected from the group consisting of (a) an isoflavone, (b) lycopene, (c) lutein, (d) Coenzyme Q_n, where n is integer of 1 to 12; and (e) a mixture of any of the foregoing nutrients.
9. The method as defined in claim 7 wherein said nutrient stabilizer is selected from the group consisting of (a') a lecithin, (b') a hydrocolloid, (c') a surfactant, (d') a Dowicil and (e') a mixture of any of the foregoing stabilizers.
10. The method as defined in claim 9 wherein said lecithin is selected from the group consisting of a lecithin derived from soybean or egg.
11. The method as defined in claim 9 wherein said hydrocolloid is selected from the group consisting of xanthan gum, a pectin, gelatin, guar gum, carrageenan, a methylcellulose, an hydroxypropyl cellulose, gum arabic and a mixture of the foregoing hydrocollids.
12. The method as defined in claim 9 wherein said surfactant is selected from the group consisting of cetylpyridinium chloride, polysorbate 80, sorbitan monostearate, a polyglycerol ester, a block copolymer of propylene oxide, ethylene oxide and a mixture of any of the foregoing surfactants.

